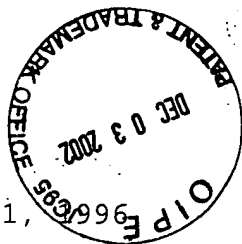


Exhibit A



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

OCTOBER 21, 1996

PTAS

BRINKS HOFER GILSON & LIONE
ALICE O. MARTIN
P.O. BOX 10395
CHICAGO, IL 60610



*1002501160012900

DEC 11 2002

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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/29/1996

REEL/FRAME: 8071/0400
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
VENTON, DUANE L.

DOC DATE: 07/16/1996

ASSIGNOR:
WOODBURY, CHARLES P.

DOC DATE: 07/16/1996

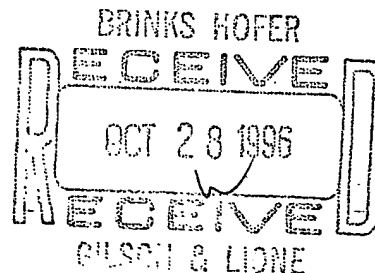
ASSIGNOR:
VAN BREEMEN, RICHARD B.

DOC DATE: 07/16/1996

ASSIGNEE:
BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS
SUITE 258, HENRY ADMINISTRATION BUILDING
506 SOUTH WRIGHT STREET
URBANA, ILLINOIS 61801

SERIAL NUMBER: 08645968
PATENT NUMBER:

FILING DATE: 05/10/1996
ISSUE DATE:



8071/0400 PAGE 2

PEARLENE FOSTER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

08-2-1996

PATENT ONLY

PATENT ONLY

To C:



Remarks

Please record

100250158

or copy thereof.

1. Name of Party(ies) conveying an interest:
 Duane H. Venton
 Charles P. Woodbury
 Richard B. van Breemen

2. Name and Address of Party(ies) receiving an interest:

Name: Board of Trustees of the University of Illinois
 Internal Address: Suite 258, Henry Administration Building, 506 South Wright Street, Urbana, Illinois 61801
 Street Address: Suite 258, Henry Administration Building, 506 South Wright Street, Urbana, Illinois 61801
 City: Urbana
 State/Zip: Illinois 61801

Additional name(s) & address(es) attached? ☐ yes ☒ no

Additional name(s) of conveying party(ies) attached? ☐ yes ☒ no

3. Description of the interest conveyed:

☒ Assignment ☐ Change of Name ☐ Other _____
☐ Security Agreement ☐ Merger

Execution Date: July 16, 1996

4. Application number(s) or patent number(s). Additional sheet attached? ☐ yes ☒ no

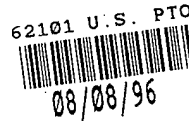
If this document is being filed together with a new application, the execution date of the application is:

Date

A. Patent Application No.(s)

08/645,968

B. Patent No.(s)



Additional numbers attached? ☐ yes ☒ no

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: BRINKS HOFER GILSON & LIONE
 P.O. Box: P.O. Box 10395
 City: Chicago
 State/Zip: Illinois 60610

6. Number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

☒ Enclosed

☐ Authorized to be charged to Deposit Account No. 23-1925

8. ☒ Please charge any deficiencies in fees or credit any overpayment to Deposit Account No. 23-1925.

DO NOT USE THIS SPACE

9. Statement and signature.
 To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and document: 6

REV 7/96 C:\WP51\PTOFORMS\RECORD.ASS

1581

40.00 LR

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TECH CENTER 1600/2900

ASSIGNMENT

WHEREAS, Duane L. Venton, Charles P. Woodbury and Richard B. van Breemen, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled MOLECULAR DIVERSITY SCREENING DEVICE AND METHOD, U.S. Serial No. 08/645,968;

WHEREAS, Board of Trustees of the University of Illinois, a corporation organized and existing under the laws of the State of Illinois, having a place of business at Suite 258, Henry Administration Building, 506 South Wright Street, Urbana, Illinois 61801, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; ~~together with the entire right, title and interest in and to said~~ invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.


The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

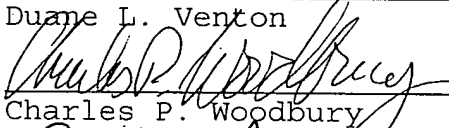
IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

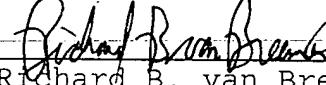
DATED: 7/16/96

DATED: 7/16/96

DATED: 7/16/96



Duane L. Venton


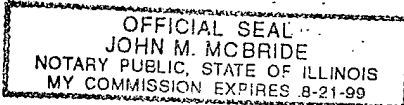
Charles P. Woodbury


Richard B. van Breemen

STATE OF ILLINOIS)
) ss.
COUNTY OF COOK)

I, John M. McBride, a Notary Public in and for the County and State aforesaid, do hereby certify that Duane L. Venton, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 16 day of July, 1996.

(SEAL) 

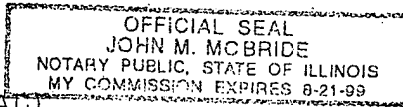
John M. McBride
Notary Public

My Commission Expires: 8-21-99

STATE OF ILLINOIS)
) ss.
COUNTY OF COOK)

I, John M. McBride, a Notary Public in and for the County and State aforesaid, do hereby certify that Charles P. Woodbury, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 16 day of July, 1996.

(SEAL) 

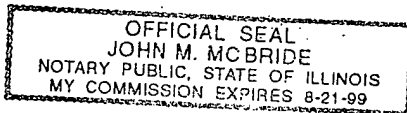
John M. McBride
Notary Public

My Commission Expires: 8-21-99

STATE OF ILLINOIS)
) ss.
COUNTY OF COOK)

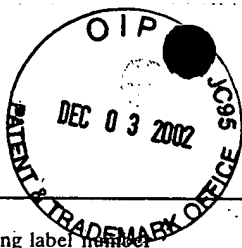
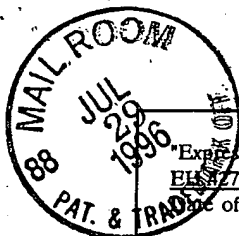
I, John M. McBride, a Notary Public in and for the County and State aforesaid, do hereby certify that Richard B. van Breemen, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 16 day of July, 1996.



John M. McBride
Notary Public

My Commission Expires: 8-21-99



"Express Mail" mailing label number
E15427766658 US
Date of Deposit July 29, 1996

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR U1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Darren J. Brady

(Typed or printed name of person mailing paper or fee)

Darren J. Brady

(Signature of person mailing paper or fee)

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TECH CENTER 1600/2900

Case No. 7493-22

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Duane L. Venton, et al.

Serial No.: 08/645,968

Filed: May 10, 1996

For: MOLECULAR DIVERSITY
SCREENING DEVICE AND
METHOD

COMMUNICATION

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Enclosed for filing in the above-identified application is a Verified Statement Claiming Small Entity Status - Nonprofit Organization, Assignment Transmittal form (in duplicate), Assignment and \$40 recording fee.

The Assistant Commissioner is hereby authorized to charge any deficiencies in fees or credit overpayment to Deposit Account No. 23-1925. A duplicate copy of this paper is enclosed.

Respectfully submitted,



Alice O. Martin
Registration No. 35,601
Attorney for Applicant

BRINKS HOFER GILSON & LIONE
P.O. BOX 10395
CHICAGO, ILLINOIS 60610
(312) 321-4200

The Assistant Commissioner is hereby authorized to charge any deficiencies in fees or credit overpayment to Deposit Account No. 23-1925. A duplicate copy of this paper is enclosed.

Respectfully submitted,



Alice O. Martin
Registration No. 35,601
Attorney for Applicant

BRINKS HOFER GILSON & LIONE
P.O. BOX 10395
CHICAGO, ILLINOIS 60610
(312) 321-4200



"Express Mail" mailing label number

EH 427766658 US

Date of Deposit July 29, 1996

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR U1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Darren J. Brady

(Typed or printed name of person mailing paper or fee)

Darren J. Brady

(Signature of person mailing paper or fee)

RECEIVED
DEC 06 2002
TECH CENTER 1600/2900

Case No. 7493-22

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Duane L. Venton, et al.

Serial No.: 08/645,968

Filed: May 10, 1996

For: MOLECULAR DIVERSITY
SCREENING DEVICE AND
METHOD

COMMUNICATION

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

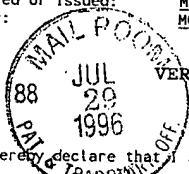
Enclosed for filing in the above-identified application is a Verified Statement Claiming Small Entity Status - Nonprofit Organization, Assignment Transmittal form (in duplicate), Assignment and \$40 recording fee.

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TECH CENTER 1600/2900

Applicant or Patentee: DUANE L. VENTON, CHARLES P. WOODBURY & RICHARD B. van BREEMEN
 Serial or Patent No.: 08/645,968 Case No.: 7493/22
 Filed or Issued: MAY 10, 1996
 For: MOLECULAR DIVERSITY SCREENING DEVICE AND METHOD



VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
 (37 CFR 1.9(f) and 1.27(d)) - NONPROFIT ORGANIZATION

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF ORGANIZATION THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS
 ADDRESS OF ORGANIZATION SUITE 258, HENRY ADMINISTRATION BUILDING, 506 SOUTH WRIGHT STREET, URBANA, IL 61801

TYPE OF ORGANIZATION

- ☒ UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION
- ☐ TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) AND 501(c)(3))
- ☐ NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA
 (NAME OF STATE _____)
 (CITATION OF STATUTE _____)
- ☐ WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) AND 501(c)(3)) IF LOCATED IN THE UNITED STATES OF AMERICA
- ☐ WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA
 (NAME OF STATE _____)
 (CITATION OF STATUTE _____)

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code with regard to the invention entitled MOLECULAR DIVERSITY SCREENING DEVICE AND METHOD by inventor(s) DUANE L. VENTON, CHARLES P. WOODBURY & RICHARD B. van BREEMEN described in

- ☐ the specification filed herewith
- ☒ application serial no. 08/645,968, filed MAY 10, 1996
- ☐ patent no. _____, issued _____

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who could not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e). *NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

NAME THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS
 ADDRESS SUITE 258, HENRY ADMINISTRATION BUILDING, 506 SOUTH WRIGHT STREET, URBANA, IL 61801

- ☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☒ NONPROFIT ORGANIZATION

NAME _____
 ADDRESS _____
☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

SIGNATURE Craig S. Bazzani DATE 7/17/96
 NAME OF PERSON SIGNING CRAIG S. BAZZANI
 TITLE OF PERSON OTHER THAN OWNER COMPTROLLER and VICE PRESIDENT OF BUSINESS AND FINANCE
 ADDRESS OF PERSON SIGNING SUITE 258, HENRY ADMINISTRATION BUILDING, 506 SOUTH WRIGHT STREET URBANA, IL 61801

BRINKS HOFER GILSON & LIONE
 P.O. BOX 10395
 Chicago, Illinois 60610
 (312) 321-4200

To Commissioner of Patents and Trademarks

Please record the attached original document or copy thereof.

1. Name of Party(ies) conveying an interest:

James L. Venton
Charles F. Woodbury
Richard B. van Breemen

Additional name(s) of conveying party(ies) attached? ☐ yes ☒ no

2. Name and Address of Party(ies) receiving an interest:

Name: Board of Trustees of the University of Illinois
 Internal Address: Suite 258, Henry Administration Building, 506 South Wright Street, Urbana, Illinois 61801
 Street Address: Suite 258, Henry Administration Building, 506 South Wright Street, Urbana
 City: Urbana
 State/Zip: Illinois 61801

Additional name(s) & address(es) attached? ☐ yes ☒ no

3. Description of the interest conveyed:

☒ Assignment ☐ Change of Name ☐ Other _____
☐ Security Agreement ☐ Merger _____

Execution Date: July 16, 1996

4. Application number(s) or patent number(s). Additional sheet attached? ☐ yes ☒ no

If this document is being filed together with a new application, the execution date of the application is:

_____ Date

A. Patent Application No.(s)

08/645,968

B. Patent No.(s)

Additional numbers attached? ☐ yes ☒ no

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: BRINKS HOFER GILSON & LIONE
 P.O. Box: P.O. Box 10395
 City: Chicago
 State/Zip: Illinois 60610

6. Number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$ 40.00

☒ Enclosed

☐ Authorized to be charged to Deposit Account No. 23-1925

8. ☒ Please charge any deficiencies in fees or credit any overpayment to Deposit Account No. 23-1925.

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

ALICE C. MARTIN
 Name of Person Signing

Alice C. Martin
 Signature

7/29/96
 Date

Total number of pages including cover sheet, attachments, and document: 6

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Exhibit B



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

AUGUST 09, 2002

BARNES & THORNBURG
ALICE O. MARTIN
2600 CHASE PLAZA
10 S. LASALLE
CHICAGO, IL 60603

PTAS

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AUG 21 2000

BARNES & THORNBURG

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/24/2000

REEL/FRAME: 010856/0218
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

VANBREEMAN, RICHARD B.

DOC DATE: 05/15/2000

ASSIGNOR:

BOLTON, JUDY L.

DOC DATE: 05/15/2000

ASSIGNEE:

ILLINOIS, BOARD OF TRUSTEES OF THE
UNIVERSITY OF
506 SOUTH WRIGHT ST.
HENRY ADMINISTRATION BUILDING,
SUITE 258
URBANA, ILLINOIS 61801

SERIAL NUMBER: 09471523

PATENT NUMBER:

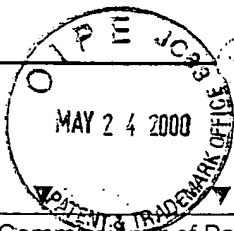
FILING DATE: 12/23/1999

ISSUE DATE:

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TECH CENTER 1800/2300

010856/0218 PAGE 2

MAURICE CARTER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



06-20-2000

Doc No.: 21726/90386

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



101385477

Tab settings → → →

To the Honorable Commissioner of Patents

and attached original documents or copy thereof.

1. Name of conveying party(ies):

Richard B. VanBreeman
Judy L. Bolton

m805-24-00

2. Name and address of receiving party(ies):

Name: Board of Trustees of The University of Illinois

Internal Address: Henry Administration Building,

Suite 258

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment.

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Street Address: 506 South Wright St.

City: Urbana State: IL ZIP: 61801

Execution Date: May 15, 2000

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration numbers(s): U.S. Ser. No. 09/471,523

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Alice O. Martin

Internal Address: Barnes & Thornburg

2600 Chase Plaza

Street Address: 10 S. LaSalle

City: Chicago

State: IL

ZIP: 60603

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☐ Authorized to be charged to deposit account

8. Deposit account number:

10-0435

06/19/2000 DNGUYEN 00000170 09471523

DO NOT USE THIS SPACE

01 FC:581

40.00 UP

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Alice O. Martin

Name of Person Signing

Signature

3

Date

Total number of pages including cover sheet, attachments, and document:

PATENT APPLICATION
ASSIGNMENT

Attorney Docket No.: 21726/90386

Client Reference No.: _____

ASSIGNMENT

In consideration of good and valuable consideration paid to each of the undersigned,

Name(s)
of Inventor(s)

Richard B. Van Breemen

Judy L. Bolton

Check
applicable
boxes and
enter serial
number and
date if
available

maker(s) of an invention which is the subject of a United States Patent Application

identified by Serial No.

09/471,523

and filing
date

December 23, 1999

Title of
Application

SCREENING OF XENOBIOTICS AND ENDOGENOUS COMPOUNDS FOR METABOLIC
TRANSFORMATION, FORMATION, OF TOXIC METABOLITES, AND BIOAVAILABILITY
hereinafter (the "Application(s)")

the undersigned hereby sell(s), assign(s), and set(s) over to

Name of
Co-Assignees

The Board of Trustees of The University of Illinois

Address of
first-listed
Assignee

The Board of Trustees of

The University of Illinois

Henry Administration Building, Suite 258

506 South Wright Street

Urbana, Illinois 61801

Insert State of
Incorporation
(if applicable) or
"Not Applicable"

The undersigned agree(s) to execute all papers necessary in connection with the Application(s) in the United States and counterpart applications in foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such Applications, and also to execute separate assignments in connection with such Applications as the Assignee may deem necessary or expedient.

PATENT APPLICATION
ASSIGNMENT

Attorney Docket No.: 21726/90386
Client Reference No.:

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the Application(s), U.S. national counterparts thereof, or continuation(s), division(s), reissue(s), reexamination(s) thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting or following from said Application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I have executed this assignment at Chicago, ILLINOIS this 15th day of May, 2000 (City, State) (day) (month) (year)

Richard B. Van Breemen
Inventor (Signature)

Richard B. Van Breemen
Inventor (Printed Name)

Judy L. Bolton
Inventor (Signature)

Judy L. Bolton
Inventor (Printed Name)

ACKNOWLEDGMENT

STATE OF ILLINOIS }
COUNTY COOK }
OF }
SS:

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and

Notarial Seal this 15th day of May, 2000 of (day) (month) (year)

